

**VASCULAR IRRIGATION SOLUTION AND METHOD FOR INHIBITION OF  
PAIN, INFLAMMATION, SPASM AND RESTENOSIS**

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**ABSTRACT OF THE DISCLOSURE**

10 A method and solution for perioperatively inhibiting a variety of pain,  
inflammation, spasm and restenosis processes resulting from cardiovascular or general  
vascular therapeutic and diagnostic procedures. The solution preferably includes  
multiple pain and inflammation inhibitory agents and spasm inhibitory agents at dilute  
concentration in a physiologic carrier, such as saline or lactated Ringer's solution.  
Specific preferred embodiments of the solution of the present invention for use in  
cardiovascular and general vascular procedures also include anti-restenosis agents. The  
solution is introduced lumenally to continuously irrigate an arterial site during an  
operative/interventional or diagnostic procedure for preemptive inhibition of pain and  
15 inflammation, vascular and non-vascular smooth muscle spasm, and restenosis while  
avoiding undesirable side effects associated with oral, intramuscular, subcutaneous or  
intravenous application of larger doses of the agents. One preferred solution to inhibit  
pain, inflammation, vasospasm and restenosis includes a serotonin<sub>2</sub> antagonist, a  
cyclooxygenase inhibitor, an endothelin antagonist, an ATP-sensitive K<sup>+</sup> channel  
20 antagonist, a Ca<sup>2+</sup> channel antagonist, a nitric oxide donor, an anti-thrombin agent, a  
glycoprotein IIb/IIIa receptor blocker, a PKC inhibitor and a protein tyrosine kinase  
inhibitor.